

WHAT IS CLAIMED IS:

1. An aqueous ink composition for inkjet recording comprising:

a dye J-aggregate having an average particle size of 2 to 200 nm; and

water-dispersible polymer particles having an average particle size of 10 to 400 nm, wherein the amount of the water-dispersible polymer particles is from one to ten times as much as that of the J-aggregate.

2. An image forming method comprising:

applying an ink composition for inkjet recording comprising a dye J-aggregate having an average particle size of 2 to 200 nm, and water-dispersible polymer particles having an average particle size of 10 to 400 nm, wherein the amount of the water-dispersible polymer particles is from one to ten times as much as that of the J-aggregate,

to an image-receiving material comprising an image-receiving layer and a substrate, wherein the image-receiving layer comprises an inorganic white pigment.

3. An image forming method comprising:

applying an ink composition to an image-receiving material, wherein the ink composition comprises a dye

J-aggregate, the image-receiving material comprises an image-receiving layer and a substrate, and the image-receiving layer comprises an inorganic white pigment; and

uniformly applying water-dispersible polymer particles to the image-receiving material simultaneously with or subsequently to the application of the ink composition.

4. An image forming method comprising:

uniformly applying water-dispersible polymer particles to an image-receiving material, the image-receiving material comprising an image-receiving layer and a substrate, wherein the image-receiving layer comprises an inorganic white pigment; and

applying an ink composition comprising a dye J-aggregate to the applied water-dispersible polymer particles during the state that the ink composition can pass through the polymer particles to reach the image-receiving material.

5. The aqueous ink composition according to claim 1, wherein the dye J-aggregate has an average particle size of 5 to 100 nm and the water-dispersible polymer particles have an average particle size of 20 to 200 nm.

6. The aqueous ink composition according to claim 1, which has a pH between 4.5 and 10.0.

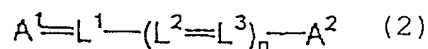
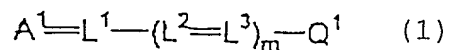
7. The aqueous ink composition according to claim 1, which has a surface tension of 20 to 60 mN/m.

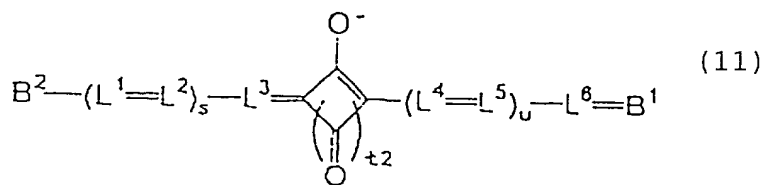
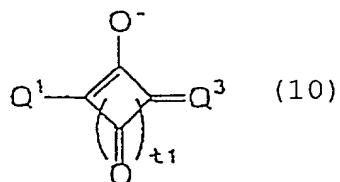
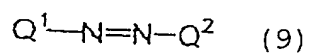
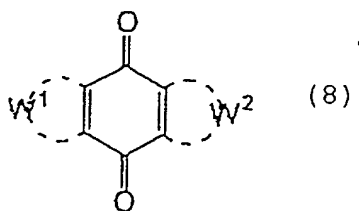
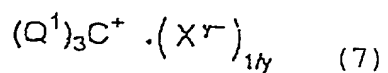
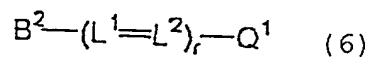
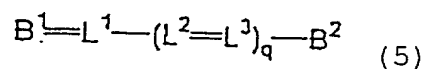
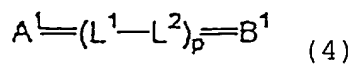
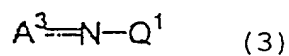
8. The aqueous ink composition according to claim 1, which has a viscosity not higher than 30 mPa·s.

9. The aqueous ink composition according to claim 1, wherein the water-dispersible polymer particles are a polymer latex.

10. The aqueous ink composition according to claim 1, wherein the water-dispersible polymer particles are water-insoluble polymers each having at least one dissociable group.

11. The aqueous ink composition according to claim 1, wherein the dye for forming the J-aggregate is selected from the groups represented by the following formulae (1) to (11):





Wherein, A^1 and A^2 each represents an acid nucleus, A^3 represents substituted or unsubstituted phenol, substituted or unsubstituted naphthol, or an acid nucleus, B^1 represents a base nucleus, B^2 represents the onium form of a base nucleus,

Q¹ and Q² each independently represents an aryl group or a heterocyclic group, Q³ represents the onium form of an aryl group or a heterocyclic ring, L¹, L², L³, L⁴, L⁵ and L⁶ each represents a methine group, m, s and u represents an integer of 0, 1 or 2, n and p each represent an integer between 0 and 3, q represents an integer between 0 and 4, r, t₁ and t₂ each represents an integer of 1 or 2, X^{y-} represents an anion, y represents an integer of 1 or 2, and W¹ and W² each independently represents an atomic group needed to complete a five- or six-membered carbocyclic or heterocyclic group.

12. The image forming method according to claim 2, wherein the inorganic white pigment is a synthetic amorphous silica.